

CLAIMS

What is claimed is:

1 1. A method for managing applications in a mobile device having
2 storage capacity including a secondary storage location and a main memory, the
3 mobile device operating in a communications network having a network storage
4 location, the method comprising the steps of:

5 defining control parameters, said control parameters
6 defining at least a storage configuration for applications
7 including a selected program within the storage capacity of
8 the mobile device, said application to be downloaded from
9 the network storage location ;

10 receiving input for invoking said selected program in the
11 mobile device, wherein said selected program is stored in
12 the network storage location;

13 performing storage management of said selected program
14 based on said control parameters as defined by said input
15 data, said storage management including loading said
16 selected program from the network into at least the mobile
17 device; and

18 executing said selected program from the main memory of
19 said mobile device.

1 2. The method of claim 1, wherein the step of defining comprises
2 the step of receiving input data at the mobile device, said input data
3 defining said control parameters.

1 3. The method of claim 2, wherein the step of defining further
2 comprises, before the step of receiving, loading a launcher program from
3 the communications network into the mobile device.

1 4. The method of claim 1, wherein the step of performing storage
2 management of said selected program comprises, before the step of

3 loading said selected program from the network, the step of determining
4 that said selected program is not stored in the main memory of the mobile
5 device.

1 5. The method of claim 1, wherein the step of performing storage
2 management of said selected program comprises, before the step of
3 loading said selected program from the network, the step of determining
4 that said selected program is not stored in the secondary storage location
5 of the mobile device.

1 6. The method of claim 1, wherein the step of performing storage
2 management of said selected program comprises determining that said
3 control parameters indicate that said selected program is to be stored in
4 the secondary storage location of the mobile device. and the step of
5 loading said selected program from the network comprises loading said
6 selected program into the secondary storage location of the mobile device.

1 7. The method of claim 6, wherein the step of executing said
2 selected program comprises the step of loading said selected program
3 from the secondary storage location into the main memory of the mobile
4 device.

1 8. The method of claim 1, wherein the step of performing storage
2 management of said selected program comprises the step of determining
3 that said selected program is stored in the secondary storage location of
4 the mobile device and that said selected program has been corrupted in
5 the secondary storage location of the mobile device and wherein the step
6 of loading said selected program into the mobile device comprises
7 reloading said selected program into the secondary storage location of the
8 mobile device.

1 9. The method of claim 1, wherein the step of performing storage
2 management of said selected program comprises, before the step of
3 loading said selected program from the network, the steps of determining
4 that said selected program is stored in the main memory of the mobile

5 device and that said selected program has been corrupted in the main
6 memory of the mobile device.

1 10. The method of claim 1, wherein said at least one control
2 parameter comprises a storage priority for said selected program and
3 wherein the method further comprises the steps of storing said selected
4 program in the main memory of the mobile device until main memory
5 capacity is needed.

1 11. A method for managing applications in a mobile device having
2 storage capacity including a secondary storage location and a main memory, the
3 method comprising the steps of:

4 defining control parameters, said control parameters
5 defining at least a storage configuration for applications
6 including a selected program within the storage capacity of
7 the mobile device, said application to be loaded into the
8 mobile device;

9 receiving input for invoking said selected program in the
10 mobile device;

11 performing storage management of said selected program
12 based on said control parameters as defined by said input
13 data, said storage management including loading said
14 selected program into the mobile device; and

15 executing said selected program from the main memory of
16 said mobile device.

1 12. The method of claim 11, wherein the step of defining
2 comprises the step of receiving input data at the mobile device, said input
3 data defining said control parameters.

1 13. The method of claim 12, wherein the step of defining further
2 comprises, before the step of receiving, loading a launcher program into
3 the mobile device.

004455-1210

1 14. An apparatus for managing applications in a mobile device having
2 storage capacity including a secondary storage location and a main memory the
3 apparatus comprising:

4 an input device for defining control parameters, said
5 control parameters defining at least a storage configuration
6 for applications including a selected program within the
7 storage capacity of the mobile device, said application to
8 be loaded into the mobile device; said input device further
9 for receiving input for invoking said selected program in
10 the mobile device; and,

11 a processor coupled to said input device, said processor
12 for performing storage management of said selected
13 program based on said control parameters as defined by
14 said input data, said storage management including
15 loading said selected program into the mobile device, and
16 executing said selected program from the main memory of
17 said mobile device.

1 15. The apparatus of claim 14, wherein said input device further
2 receives input data at the mobile device, said input data defining said
3 control parameters.

1 16. The apparatus of claim 15, wherein the processor further
2 loads a launcher program into the mobile device before loading said
3 selected program.